

ABSTRACT

A method and apparatus for improving data processing efficiency with an improved context storage mechanism are provided. In an arrangement where data processing is performed with a plurality of logical processors are allocated to a physical process in a time sharing manner, a context table of a logical processor with the physical processor unapplied thereto is mapped to a logical partition address space of a logical partition to which the logical processor is applied to. The context table is then stored. When the logical processor is not allocated to the physical process, the content of the logical processor can be acquired. Processes such as accessing to the logical processor and program loading are executed without the need for waiting for timing of allocating the logical processor to the physical processor. Data processing efficiency is thus improved.